



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/622,815	07/18/2003	Dean E. Thorson	CE11478R	3022

22917 7590 07/27/2005

MOTOROLA, INC.
1303 EAST ALGONQUIN ROAD
IL01/3RD
SCHAUMBURG, IL 60196

EXAMINER

NGUYEN, KHAI MINH

ART UNIT	PAPER NUMBER
----------	--------------

2687

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/622,815	Applicant(s) THORSON ET AL.	
	Examiner Khai M. Nguyen	Art Unit 2687	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's argument with respect to claim 17-32 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Dalal (U.S.Pat-6633554).

Regarding claim 1, Dalal teaches a method for reducing call setup time (col.2, lines 42-52) comprising:

sending a channel assignment message to a mobile station (MS) (col.3, lines 42-52, col.7, lines 8-22);

performing traffic channel initialization procedures with the MS (col.3, lines 8-14, col.8, lines 32-36);

after completing traffic channel initialization procedures, sending a base station acknowledgment message to the MS (fig.3, col.6, line 66 to col.7, line 22);

proceeding to transmit signaling to the MS without waiting to receive an MS acknowledgment in response to the base station acknowledgment message (col.2, lines 42-52, col.3, lines 8-14).

Regarding claim 2, Dalal teaches the method of claim 1, further comprising after proceeding to transmit signaling to the MS, receiving an MS acknowledgment in response to the base station acknowledgment message (fig.4, col.9, lines 24-59).

Regarding claim 3, Dalal teaches the method of claim 1, further comprising receiving, before sending the channel assignment message, an origination message from the MS (fig.4, col.9, lines 24-59).

Regarding claim 4, Dalal teaches the method of claim 3, wherein the origination message comprises a message from the group consisting of an Origination Message and an Enhanced Origination Message (fig.4, col.9, lines 24-59).

Regarding claim 5, Dalal teaches the method of claim 1, further comprising:
transmitting a page to the MS; receiving, in response to the page and before sending
the channel assignment message, a page response from the MS (fig.2-4, col.6, line 66
to col.7, line 22, col.9, lines 24-59).

Regarding claim 6, Dala teaches the method of claim 1, wherein proceeding to
transmit signaling to the MS comprises transmitting signaling to the MS from the group
consisting of service request messaging, service connect messaging, status request
messaging, and handoff messaging (col.7, line 61 to col.8, line 31).

Regarding claim 7, Dala teaches the method of claim 1, wherein proceeding to
transmit signaling to the MS comprises transmitting to the MS signaling related to
functions from the group consisting of service negotiation, data burst handling, handoff
processing, and authentication (col.7, line 61 to col.8, line 31).

Regarding claim 8, Dalal teaches the method of claim 1, wherein performing
traffic channel initialization procedures comprises receiving an indication that the MS is
successfully receiving base station messaging to the MS (fig.2-4, col.6, line 66 to col.7,
line 22).

Regarding claim 9, Dalal teaches the method of claim 1, wherein performing traffic channel initialization procedures comprises transmitting forward link frames to the MS (fig.2-4, col.6, line 66 to col.7, line 22).

Regarding claim 10, Dalal teaches the method of claim 1, wherein performing traffic channel initialization procedures comprises receiving from the MS signaling from the group consisting of a traffic channel preamble, reverse pilot frames, and null frames (fig.2-4, col.7, lines 8-22, col.6, line 66 to col.7, line 22).

Regarding claim 11, Dalal teaches the method of claim 1, wherein the channel assignment message comprises a message from the group consisting of a Channel Assignment Message and an Enhanced Channel Assignment Message (fig.2-4, col.9, lines 24-59).

Regarding claim 12, Dalal teaches the method of claim 1, wherein the base station acknowledgment message comprises a message from the group consisting of a BS ACK Order message and a Link Access Control ping message (fig.2-4, col.7, lines 8-22, col.6, line 66 to col.7, line 22).

Regarding claim 13, Dalal teaches the method of claim 1, wherein the MS acknowledgment comprises a message from the group consisting of an MS ACK Order message and a Link Access Control ping message (fig.2-4, col.7, lines 8-22, col.6, line 66 to col.7, line 22).

Regarding claim 14, Dalal teaches a base station (fig.2, col.2, lines 42-52) comprising:

wireless transceiver equipment (WTE) adapted to transmit and receive messaging to a mobile station (MS) (fig.2, col.5, line 60 to col.6, line 9);

a controller, communicatively coupled to the WTE (fig.2, col.5, line 60 to col.6, line 38),

adapted to send, via the WTE, a channel assignment message to the MS (col.3, lines 42-52, col.7, lines 8-22),

adapted to perform, via the WTE, traffic channel initialization procedures with the MS (col.3, lines 8-14, col.8, lines 8-22),

adapted to send, via the WTE, a base station acknowledgment message to the MS, after completing traffic channel initialization procedures (fig.3-4, col.6, line 66 to col.7, line 22),

adapted to proceed to transmit signaling, via the WTE, to the MS without waiting to receive an MS acknowledgment in response to the base station acknowledgment message (col.2, lines 42-52, col.3, lines 8-14).

Regarding claim 15, Dalal teaches the base station of claim 14, wherein the controller is further adapted to receive, via the WTE, an MS acknowledgment in response to the base station acknowledgment message, after proceeding to transmit signaling to the MS (fig.4, col.9, lines 24-59).

Regarding claim 16, Dalal teaches the base station of claim 14, wherein the controller is further adapted to receive, via the WTE, an origination message from the MS, before sending the channel assignment message (fig.4, col.9, lines 24-59).

Regarding claim 17, Dalal teaches the base station of claim 14, wherein the controller is further adapted to transmit, via the WTE, a page to the MS, and adapted to receive, via the WTE, a page response from the MS, in response to the page and before sending the channel assignment message (fig.2-4, col.6, line 66 to col.7, line 22, col.9, lines 24-59).

Regarding claim 18, Dalal teaches the base station of claim 14, wherein proceeding to transmit signaling to the MS comprises transmitting signaling to the MS from the group consisting of service request messaging, service connect messaging, status request messaging, and handoff messaging (col.7, line 61 to col.8, line 31).

Regarding claim 19, Dalal teaches the base station of claim 14, wherein proceeding to transmit signaling to the MS comprises transmitting to the MS signaling related to functions from the group consisting of service negotiation, data burst handling, handoff processing, and authentication (col.7, line 61 to col.8, line 31).

Regarding claim 20, Dalal teaches the base station of claim 14, wherein performing traffic channel initialization procedures comprises receiving an indication that the MS is successfully receiving base station messaging to the MS (fig.2-4, col.6, line 66 to col.7, line 22).

Citation of Pertinent Prior Art

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Harper et al. (U.S.Pat-5956645) discloses Mobility messaging using unnumbered information frames.

Li et al. (U.S.Pub-20040192312) discloses Communication system for voice and data with wireless TCP server.

Patel et al. (U.S.Pub-20040203469) discloses Method of reducing latency for non-call delivery paging.

Dailey (U.S.Pat-6577874) discloses Methods and systems for providing temporary identification numbers for mobile terminals.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khai M. Nguyen whose telephone number is 571.272.7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on 571.272.7922. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/622,815
Art Unit: 2687

Page 10

Khai Nguyen
Au: 2687

7/20/2005


LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER
7/25/05